

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	2459	ganglioside\$1	USPA T; US-P GPUB ; EPO; JPO; DERW ENT	2001/10/20 17:18			0
2	BRS	L2	5111	klh or (keyhole adj1 limpet adj1 hemocyanin)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT	2001/10/20 17:19			0
3	BRS	L3	20	1 same 2	USPA T; US-P GPUB ; EPO; JPO; DERW ENT	2001/10/20 17:20			0
4	BRS	L4	5869	saponin or qs-21	USPA T; US-P GPUB ; EPO; JPO; DERW ENT	2001/10/20 17:21			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
5	BRS	L5	3	3 same 4	USPA T; US-P GPUB ; EPO; JPO; DERW ENT	2001/10/2 0 17:21			0
6	BRS	L6	59280	cancer or tumor or tumour or malignan\$4 or neoplas\$3	USPA T	2001/10/2 0 17:25			0
7	BRS	L7	5	1 same 2 same 6	USPA T	2001/10/2 0 17:28			0
8	BRS	L8	644	gm2 or gd2	USPA T	2001/10/2 0 17:28			0
9	BRS	L9	109	8 same (2 or 6)	USPA T	2001/10/2 0 17:28			0
10	BRS	L10	8	8 same (2 and 6)	USPA T	2001/10/2 0 17:28			0

LE 'HOME' ENTERED AT 17:16:05 ON 20 OCT 2001)

FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS, CANCERLIT, SCISEARCH, TOXLINE'
ENTERED AT 17:16:23 ON 20 OCT 2001

L1 54226 S GANGLIOSIDE#
L2 13625 S KLH OR KEYHOLE LIMPET HEMOCYANIN
L3 156 S L1 (30A) L2
L4 48 DUP REM L3 (108 DUPLICATES REMOVED)
L5 25 S L4 (30A) (SAPONIN OR QS-21)
L6 5909180 S CANCER OR TUMOR OR TUMOUR OR MALIGNAN#### OR NEOPLAS###
L7 49 S L1 (30A) L2 (30A) L6
L8 17 DUP REM L7 (32 DUPLICATES REMOVED)
L9 11 S L8 NOT L5
L10 10385 S GM2 OR GD2
L11 114 S L10 (30A) L2
L12 48 DUP REM L11 (66 DUPLICATES REMOVED)
L13 28 S L12 NOT (L8 OR L5)

? ds

Set	Items	Description
S1	33	(GANGLIOSIDE? OR CERAMIDE?) AND (OZONE OR OZONOLYSIS OR O3)
S2	32	RD S1 (unique items)
S3	2..9	AU="LIVINGSTON P O" OR AU="LIVINGSTON P.O."
S4	0	S E3-E6
S5	107	E3-E6
S6	288	S3 OR S5
S7	14.7	S6 AND (GANGLIOSIDE? OR CERAMIDE?)
S8	70	RD S7 (unique items)
? t s8/7/all		

2/7/33 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE
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00309281 EMBASE No: 1975081610

Glycosphingolipids covalently linked to agarose gel or glass beads. Use of the compounds for purification of antibodies directed against globoside and hematoside

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Journal of Biological Chemistry (J. BIOL. CHEM.) 1974, 249/14
(4460-4466)

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DOCUMENT TYPE: Journal
LANGUAGE: ENGLISH

double bond

Oxidative ozonolysis of the olefinic bond of the sphingosine moiety of either globoside or of the methyl ester of hematoside, and coupling of the carboxyl bearing product to aminoethylagarose or to amino group bearing glass beads in the presence of a carbodiimide resulted in globoside or hematoside covalently linked to agarose or glass beads. These compounds were used for purification of anti glycosphingolipid antibodies from serum of immunized rabbits. The antibodies bound to the substrate were released by 1 M sodium iodide and their immunological properties were studied. Anti globoside is directed toward the terminal beta (N acetyl) galactosaminosyl(1 \rightarrow 3)alpha galactopyranosyl structure, while anti hematoside is directed predominantly toward the sialosyl residue of hematoside.

makes a carbonyl

2/7/22 (Item 22 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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02091361 BIOSIS NO.: 000063006348
CHEMICAL AND HEMOLYTIC PROPERTIES OF SPHINGO LIPIDS MODIFIED BY
OZONOLYSIS
AND REDUCTION

AUTHOR: UEMURA K; HARA A; TAKETOMI T

JOURNAL: J BIOCHEM (TOKYO) 79 (6). 1976 1253-1261.
FULL JOURNAL NAME: Journal of Biochemistry (Tokyo)
CODEN: JOBIA
RECORD TYPE: Abstract

ABSTRACT: Various sphingolipids were chemically modified in their sphingosine base by ozonolysis and reduction. The derivatives obtained from Forssman globoside and globoside I [from caprine and porcine erythrocyte stroma, respectively], galactosyl ceramide [human brain] and sphingomyelin [sheep red cell stroma] were purified and all were found to be hemolytic. The presence of cholesterol could inhibit this activity. The simultaneous cleavage at a double bond in the fatty acid as well as in the sphingosine of Forssman globoside resulted in the formation of a more polar compound with no detectable hemolytic activity. The haptenic reactivity was retained after ozonolysis and reduction of Forssman globoside, as shown by precipitin line formation in agar gel with appropriate antibodies. The results indicate that this modification procedure may be useful in studies of the physiological and immunological properties of sphingolipids.